Safety Inspection of State Owned High Risk Facilities **FY2003 Request: $200,000**
Reference No: 33855

AP/AL: Appropriation
Project Type: Health and Safety
Category: Transportation
Location: Statewide
Contact: Tom Brigham
Election District: Statewide
Contact Phone: (907)465-4070
Estimated Project Dates: 07/01/2002 - 06/30/2007

Brief Summary and Statement of Need:
Field inspection of approximately 25 high risk buildings. This will include structural analysis of each facility to determine if they may be subject to catastrophic failure.

Funding:

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Gen Fund	$200,000						$200,000
Total:	$200,000	$0	$0	$0	$0	$0	$200,000

☐ State Match Required ☐ One-Time Project ☒ Phased Project ☐ On-Going Project
0% = Minimum State Match % Required ☐ Amendment ☐ Mental Health Bill

Operating & Maintenance Costs:

	Amount	Staff
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

Prior Funding History / Additional Information:
FY 2002 - $200,000 will fund inspection for the worst 25 buildings in our inventory.

This funding will cover structural analyses on about 25 buildings identified as presenting a high level risk of failure, the next worst buildings on our list after those in the FY2002 inspection program. The estimated cost for inspecting all 610 buildings in our inventory is $9,520,000. This project will cover inspections on the next 25 buildings identified as having the highest risk of catastrophic failure. Inspections consist of field visits and a structural analysis of each facility. Most of the high-risk buildings are very old and the structural documents, such as as-built drawings and blue prints are no longer available. We will search for any available documents to determine what materials may have been used during construction prior to field trips. The field inspection team will include one structural engineer and one environmental engineer. Asbestos components are expected in much of the fire proofing, sheetrock, and insulation of many of the oldest buildings. Location of any asbestos or other hazardous construction materials will necessitate proper abatement procedures prior to complete inspection. Partial deconstruction for visual inspection of structural members, such as beams, studs, and joists will require patching or reconstruction to repair inspection damage. It may be necessary to take core samples of any concrete components, however most of the components are expected to be steel. The structural connections (belts and straps) will also be examined for stability and integrity. As-built measurements and documentation will be included in the field site inspections. After field examinations are completed, the information and measurements will be analyzed. Using standard engineering/architectural calculations, snow, wind and seismic loads will be determined for each building as it now stands. Scope and cost estimates for needed structural repairs will then be made.